

Report Date: 25 Jun 2014

Summary Report for Individual Task
551-88K-3507
Monitor Inland Towing Operations Onboard a Vessel
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: As a boatswain assigned to an Army Tug, given: completed risk assessment, vessel, crew, TC 4-15.51, FM 4-01.502, COMDTINST_M16672_2D, DA 4640, Personal Protective Equipment (PPE) towing lines, towing cables, shackles, and seizing wire, chafing gear, day or night in all weather conditions in an operational environment. Some iterations of this task should be performed in MOPP 4.

Standard: When a tow is required you will monitor the crew to ensure safe towing operations and moving your tow to its location.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

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| Task Statements |
|------------------------|

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Monitor preparation of vessel for hip tow by completing the following:

- a. Inspect towing lines.
- b. Directs placing spring line on barge.
- c. Directs securing spring line.
- d. Directs placing bow line on barge.
- e. Signals master to go ahead on slow bell.
- f. Directs securing of bow line.
- g. Directs placement of stern line on barge.
- h. Directs securing of stern line

2. Monitor preparation of vessel for stern tow by completing the following:

- a. Inspects towing gear.
- b. Signals master to place tug alongside tow.
- c. Instructs personnel to secure bridle on towing bitts of barge.
- d. Supervises the draping of towline across the bow of the barge and its securing with small stuff.
- e. Instructs personnel to ensure bridle cannot become fouled.
- f. Directs the securing of towline on H-bitts of the tug.
- g. Instructs personnel to seize all shackles.
- h. Instructs personnel to install chafing gear once tow is dropped astern.

3. Monitor preparation of vessel for push tow by completing the following:

- a. Inspects towing gear.
- b. Signals master to put tug against center of the stern of the barge.
- c. Instructs personnel to secure starboard safety line.
- d. Instructs personnel to secure port safety line.
- e. Instructs personnel to attach port pusher cable to port bitts on barge.
- f. Instructs personnel to attach starboard pusher cable to starboard bitts on barge.

g. Instructs personnel to lead pusher cables to quarter bitts on barge.

h. Instructs personnel to secure pusher cables to steamboat ratchets and tighten them simultaneously.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier GO if all steps are passed (P). Score the soldier NO-GO if any steps is failed (F), if the soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the FM and the evaluation guide to score the soldier's performance. Brief the soldier. Tell the soldier what he is required to do IAW the task conditions and standards.

| PERFORMANCE MEASURES | GO | NO-GO | N/A |
|---|----|-------|-----|
| 1. Monitored preparation of vessel for hip tow ensuring completion of the following: | | | |
| a. Inspect towing lines. | | | |
| b. Directs placing spring line on barge. | | | |
| c. Directs securing spring line. | | | |
| d. Directs placing bow line on barge. | | | |
| e. Signals master to go ahead on slow bell. | | | |
| f. Directs securing of bow line. | | | |
| g. Directs placement of stern line on barge. | | | |
| h. Directs securing of stern line dropped astern. | | | |
| 2. Monitored preparation of vessel for stern tow by ensuring completion of the following: | | | |
| a. Inspects towing gear. | | | |
| b. Signals master to place tug alongside tow. | | | |
| c. Instructs personnel to secure bridle on towing bitts of barge. | | | |
| d. Supervises the draping of towline across the bow of the barge and its securing with small stuff. | | | |
| e. Instructs personnel to ensure bridle cannot become fouled. | | | |
| f. Directs the securing of towline on H-bitts of the tug. | | | |
| g. Instructs personnel to seize all shackles. | | | |
| h. Instructs personnel to install chafing gear once tow is dropped astern. | | | |
| 3. Monitored preparation of vessel for push tow by ensuring completion of the following: | | | |
| a. Inspects towing gear. | | | |
| b. Signals master to put tug against center of the stern of the barge. | | | |
| c. Instructs personnel to secure starboard safety line. | | | |
| d. Instructs personnel to secure port safety line. | | | |
| e. Instructs personnel to attach port pusher cable to port bitts on barge. | | | |
| f. Instructs personnel to attach starboard pusher cable to starboard bitts on barge. | | | |
| g. Instructs personnel to lead pusher cables to quarter bitts on barge. | | | |
| h. Instructs personnel to secure pusher cables to steamboat ratchets and tighten them simultaneously. | | | |

Supporting Reference(s):

| Step Number | Reference ID | Reference Name | Required | Primary |
|-------------|--------------|---------------------------|----------|---------|
| | TC 4-15.51 | MARINE CREWMAN'S HANDBOOK | Yes | No |

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-02 ENVIRONMENTAL-RELATED RISK ASSESSMENT

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

Prerequisite Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|---|-----------------------------------|----------|
| 551-88K-2510 | Perform Harbor Tug Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |
| 551-88K-2509 | Perform Inland Towing Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |

Supporting Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|--|-----------------------------------|----------|
| 551-88K-4720 | Conduct Vessel Operations Using a Pilloting Team | 551 - Transportation (Individual) | Approved |
| 551-88K-4714 | Enforce Maintenance of Vessel's Nautical Charts and Publications | 551 - Transportation (Individual) | Approved |
| 551-88K-4711 | Conduct Operations Of A Vessel Satellite Navigation System | 551 - Transportation (Individual) | Approved |
| 551-88K-2509 | Perform Inland Towing Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |
| 551-88K-4719 | Compute Tide and Current Using References | 551 - Transportation (Individual) | Approved |

Supported Individual Tasks :

| Task Number | Title | Proponent | Status |
|--------------|---|-----------------------------------|----------|
| 551-88K-2509 | Perform Inland Towing Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |
| 551-88K-2510 | Perform Harbor Tug Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |
| 551-88K-2511 | Perform Ocean Towing Operations Onboard a Vessel | 551 - Transportation (Individual) | Approved |

Supported Collective Tasks :

| Task Number | Title | Proponent | Status |
|-------------|-------|-----------|--------|
|-------------|-------|-----------|--------|

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| 55-2-0008(Step: 1.) | Conduct Watercraft Salvage Operations | 55 - Transportation (Collective) | Approved |
| 55-2-0042 | Plan Vessel Towing Operations. | 55 - Transportation (Collective) | Approved |
| 55-2-0043 | Pass Ocean Tow to a Harbor Tug. | 55 - Transportation (Collective) | Approved |
| 55-2-0039 | Conduct Towing Operations. | 55 - Transportation (Collective) | Approved |
| 55-2-0008(Step: 2.) | Conduct Watercraft Salvage Operations | 55 - Transportation (Collective) | Approved |

ICTL Data :

| ICTL Title | Personnel Type | MOS Data |
|--|-----------------------|---|
| MOS 88K Watercraft Operator SL 4 | Enlisted | MOS: 88K, Skill Level: SL4, Duty Pos: TFJ |